

Remarks

Claims 1, 3-11, 13, 25, and 27-39 are pending in this application. The Advisory Action of March 23, 2004, stated that Applicants' Amendment After Final was entered, and further that such Amendment placed claims 1, 3-11, 25, 27, 31-32 and 38-39 in condition for allowance. However, claims 33-37 still are rejected. Applicants traverse the rejection of claims 33-37 and request that such rejection be withdrawn.

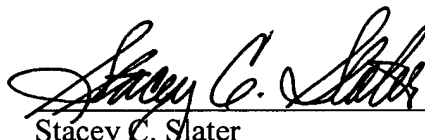
Applicants hereby request that independent claims 33 and 37 be amended to recite "providing at least one bead comprising Betta chromatophores in a first optical state" and "providing at least one bead comprising isolated chromatophores," respectively. Support for these amendments can be found throughout the application. Furthermore, Examiner Davis has indicated to the undersigned that claims 33-37 would be placed in condition for allowance by amending the claims as requested herein. As a result, the present application is in condition for allowance, and such action is requested.

Applicants reserve the right to file continuing applications to prosecute claims that are not limited to providing chromatophores disposed on beads. While the use of beads has provided significant, unexpected benefits, the scope of applicants' invention is not limited solely to exposing chromatophores disposed on beads to bioactive compounds or conditions.

Respectfully submitted,

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